



CERTIFICATE OF MAILING

I hereby certify that this paper and every paper referred to therein as being enclosed is being placed in First Class Mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 as of today.

Katrina A. Lyon Date: 1/10/03
Katrina A. Lyon

2/21
#4
E
72.12

PATENT
Microsoft Docket No. 300297.1
L&H No. MCS-052-01-B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Li et al.

Group Art Unit: 2121

Entitled: A METHOD FOR BOOSTING
THE PERFORMANCE OF
MACHINE-LEARNING CLASSIFIERS:

Examiner: Unknown

Serial No.: 10/091,109

Filing Date: March 4, 2002

RECEIVED

JAN 15 2003

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Hon. Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

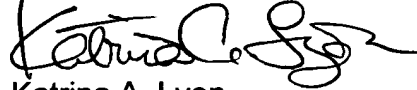
Furthermore, no admission is being made that these documents are prior art, and applicant reserves the right to challenge any such conclusion.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the manual of Patent Examining Procedures, section 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of each document is enclosed unless indicated otherwise. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

LYON & HARR
300 Esplanade Drive
Suite 800
Oxnard, CA 93036
(805) 278-8855

Respectfully submitted

A handwritten signature in black ink, appearing to read 'Katrina A. Lyon', with a stylized flourish at the end.

Katrina A. Lyon
Reg. No. 42,821
Attorney for Applicant(s)

RECEIVED

JAN 14 2003

INFORMATION DISCLOSURE CITATION JAN 15 2003

(Use several sheets if necessary)

Technology Center 2100

DOCKET NO.:
MCS-052-01B

SERIAL NO.:
10/091,109

INVENTOR:
Li et al.

FILING DATE:
March 4, 2002

GROUP:
2121

U.S. PATENT DOCUMENTS

*Examiner Initial	Ref.	Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

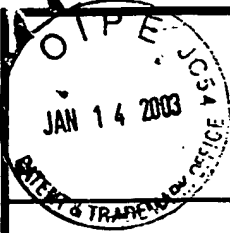
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A1	Bichsel, M. and A.P. Pentland. "Human face recognition and the face image set's topology". CVGIP: Image Understanding, 59:254-261, 1994.					
	A2	Fan, W., S. Stolfo and J. Zhang. The application of AdaBoost for Distributed, Scalable and On-line Learning. Pps 362-366, In ACM 1999.					
	A3	Feraud, J., O. Bernier, and M. Collobert. "A fast and accurate face detector for indexation of face images". In Proc. Fourth IEEE Int. Conf on Automatic face and Gesture Recognition, Grenoble, 2000.					
	A4	Freund, Y. and R. Schapire. "A Decision-theoretic generalization of on-line learning and an application to boosting". Journal of Computer and system Sciences, 55(1):119-139, Aug 1997.					
	A5	Friedman, J., T. Hastie, and R. Tibshirani. "Additive logistic regression: a statistical view of boosting". Technical report, Department of Statistics, sequoia Hall, Stanford University, July 1998.					
	A6	Gong, S., S. McKenna, and J. J. Collins. An investigation into face pose distributions. In Proc. Int'l Conf. on Autom. Face and Gesture Recog., pp 265-270, 1996.					
	A7	Huang, J., S. Shao, and H. Wechsler. "Face pose discrimination using support vector machines (SVM)". In Proceedings of International Conference Pattern recognition, Brisbane, Queensland, Australia, 1998.					
	A8	Iyer, R., D. Lewis, R. Schapire, y. Singer and A. Singhal. Boosting for document routing. Ninth International Conference on Information and Knowledge Management, 2000.					
	A9	Jain, A. and D. zongker. "Feature selection: evaluation, application, and small sample performance. IEEE Trans. on PAMI, 19(2):153-158, 1997.					
	A10	Kuchinsky, A., C.Pering, M. L. Creech, D. Freeze, B. Serra and J. Gwizdka. FotoFile: A Consumer Multimedia Organization and Retrieval System. In Proc. ACM HCI'99 Conference, 1999.					
	A11	Li, Y. M., S.G. Gong, and H. Liddell. "Support vector regression and classification based multi-view face detection and recognition". In IEEE Int. Conf. of Face & Gesture Recognition, pps. 300-305, France, March 2000.					
	A12	Moreno, P., B. Logan and B. Raj. A boosting approach for confidence scoring. Cambridge Research Laboratory, Technical Report Series, CRL 2001/08, July 2001.					
	A13	Ng, J. and S. Gong. "Performing multi-view face detection and pose estimation using a composite support vector machine across the view sphere". In Proc. IEEE International Workshop on Recognition, Analysis, and Tracking of Faces and gestures in Real-Time Systems, pp. 14-21, Corfu, Greece, September 1999.					
	A14	Osuna, E. R. Freund, and F. Girosi. "Training support vector machines: An application to face detection". In CVPR, pps 130-136, 1997.					
	A15	Papageorgiou, C.P., M. Oren, and T. Poggio. "A general framework for object detection". In Proceedings of IEEE International Conference on Computer Vision, pp. 555-562, Bombay, India, 1998.					
	A16	Pentland, A., B. Moghaddam, and T. Starner, "View-Based and Modular Eigenspaces for Face Recognition," In Proceedings of IEEE Computer Society Conference on Computer Vision and Pattern Recognition, pp. 84-91, 1994.					
	A17	Pudill, P. J. Novovicova, and J. Kittler. Floating search methods in feature selection with Nonmonotonic Criterion Functions. Department of Electronic & Electrical Engineering, University of Surrey Guildford, UK, 1994.					

EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if any reference considered, whether or not the citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

				DOCKET NO.: MCS-052-01B		SERIAL NO.: 10/091,109	
				INVENTOR: Li et al.			
				FILING DATE: March 4, 2002		GROUP: 2121	
INFORMATION DISCLOSURE CITATION RECEIVED (Use several sheets if necessary) JAN 15 2003							
U.S. PATENT DOCUMENTS Technology Center 2100							
*Examiner Initial	Ref.	Document Number	Date	Name	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A18	Roth, D., M. Yang, and N. Ahuja. "A snow-based face detector". In Proceedings of Neural Information Processing Systems, 2000.					
	A19	Rowley, H.A., S. Baluja and T. Kanade, "Neural network-based face detection", in IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 20, No.1, pp.23-38, January 1998.					
	A20	Schapire, R., Y. Freund, P. Bartlett, and W. Lee. Boosting the margin: a new explanation for the effectiveness of voting methods. In Proc. 14th International Conference on Machine Learning, pp. 322-330. Morgan Kaufmann, 1997.					
	A21	Schapire, R.E. and Y. Singer. Improved boosting algorithms using confidence-rated predictions. In Proceedings of the Eleventh Annual Conference on Computational Learning Theory, pp. 80-91, 1998.					
	A22	Schapire, R.E. and Y. Singer. BoosTexter: A boosting-based system for text categorization. Machine Learning, 39(2/3):135-168, May/June 2000.					
	A23	Schneiderman, H. and T. Kanade. "A statistical method for 3d object detection applied to faces and cars". In Proceedings of IEEE Computer Society Conference on Computer Vision and Pattern Recognition, 2000.					
	A24	Sebastiani, F., A. Sperduti and N. Valdambrini. An improved boosting algorithm and its application to automated text categorization. In Arvin Agah, Jamie Callan, and Elke Rundensteiner, eds. Proceedings of CIKM-00, 9th ACM International Conference on Information and Knowledge Management, pps 78-85, McLean, US 2000. ACM Press, New York, US.					
	A25	Simard, P.Y., Y.A.L. Cun, J.S. Denker, and B. Victorri. "Transformation invariance in pattern recognition-tangent distance and tangent propagation". In G.B. Orr and K.-R. Muller, editors, Neural Networks: Tricks of the trade. Springer, 1998.					
	A26	Somol, P., P. Pudil, J. Novovicova, and P. Paclik. "Adaptive floating search methods in feature selection". Pattern Recognition Letters, 20:1157-1163, 1999.					
	A27	Sung, K., and T. Poggio, "Example-based Learning for View-Based Human Face Detection", in IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 20, No.1, pp.39-51, January 1998.					
	A28	Tieu, K. and P. Viola. Boosting image retrieval. In Proceedings of IEEE Computer Society Conference on Computer Vision and Pattern Recognition, vol 1: pp. 228-235, 2000.					
	A29	Viola, P. and M. Jones. Robust real time object detection. In IEEE ICCV Workshop on Statistical and Computational Theories of Vision, Vancouver, Canada, July 13, 2001.					
	A30	Wiskott, L., J. Fellous, N. Kruger, and C.V. Malsburg. "Face recognition by elastic bunch graph matching". IEEE Transactions on Pattern Analysis and Machine Intelligence, 19(7):775-779, 1997.					
EXAMINER:		DATE CONSIDERED:					

*EXAMINER: Initial if any reference considered, whether or not the citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.